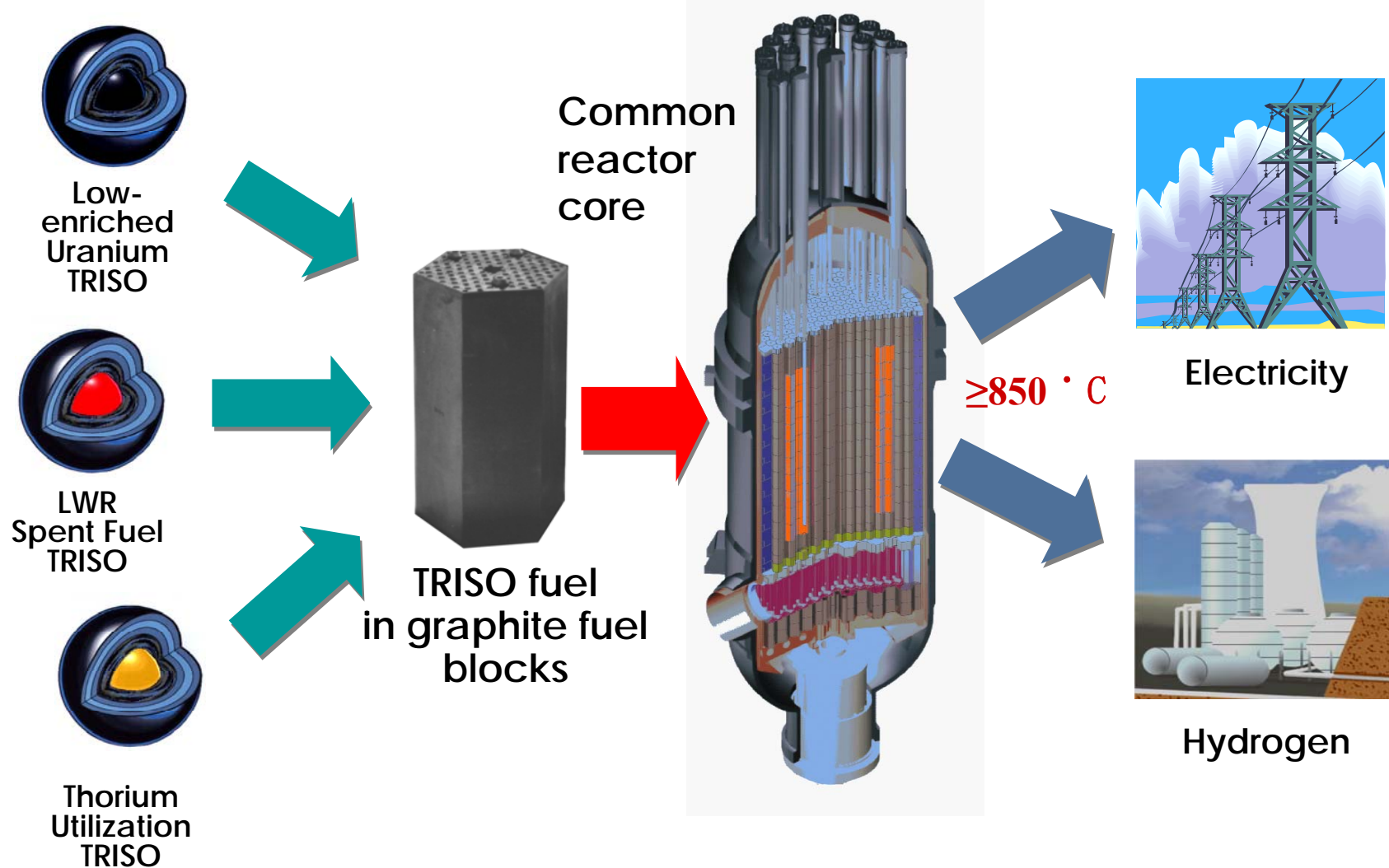
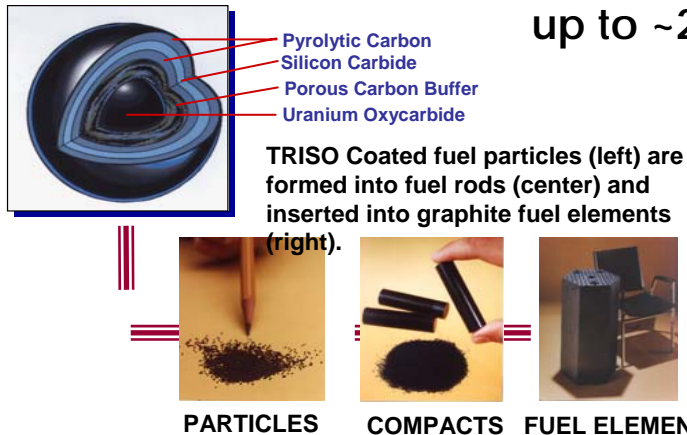


# HTGRs Can Burn Nearly Any Fuel To Create Energy

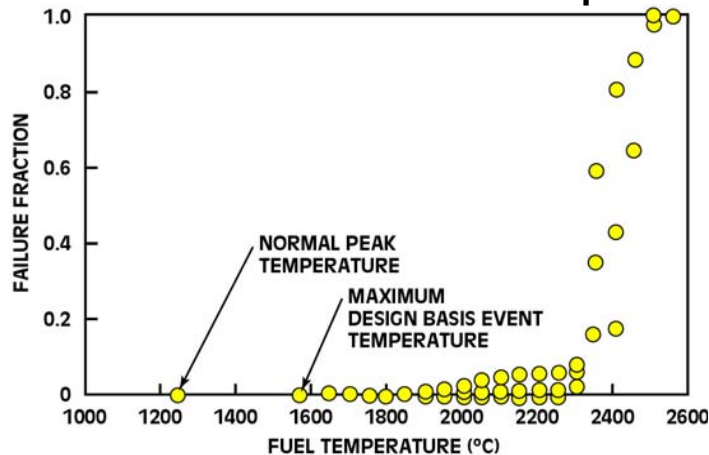


# The MHR Exploits a Fundamentally Different Approach to Safety

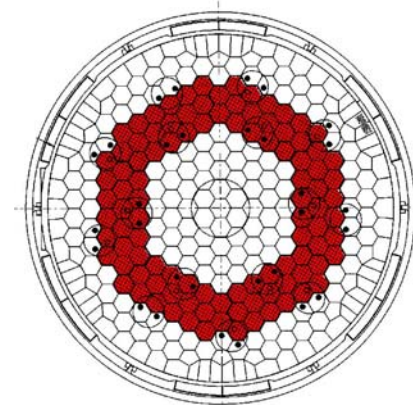
- Ceramic fuel retains radioactive materials up to  $\sim 2000^{\circ}\text{C}$



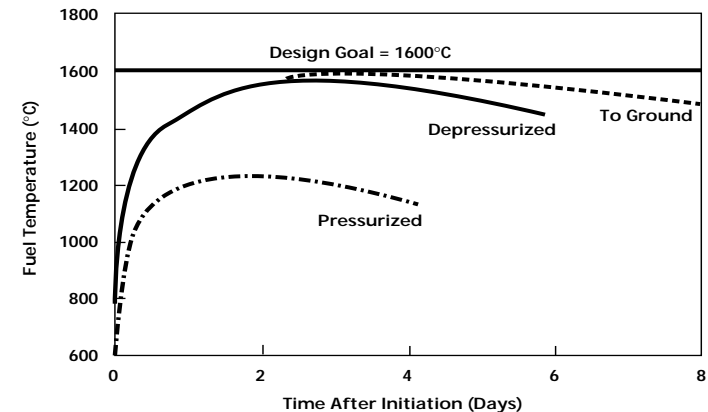
- Coated particles stable to beyond maximum accident temperatures



- Heat removed passively without primary coolant



- Fuel temperatures remain below design limits during loss-of-cooling events



# GT-MHR Module is Designed To Be Located In Below Grade Silo

- Electrical output 286 MW(e) per module
- Each module includes Reactor System and Power Conversion System
- Reactor System 600 MW(t), 102 column, annular core, hexagonal prismatic blocks similar to FSV
- Power Conversion System includes generator, turbine, compressors on single shaft, surrounded by recuperator, pre-cooler and inter-cooler
- Natural sabotage protection

